

FIG. 1

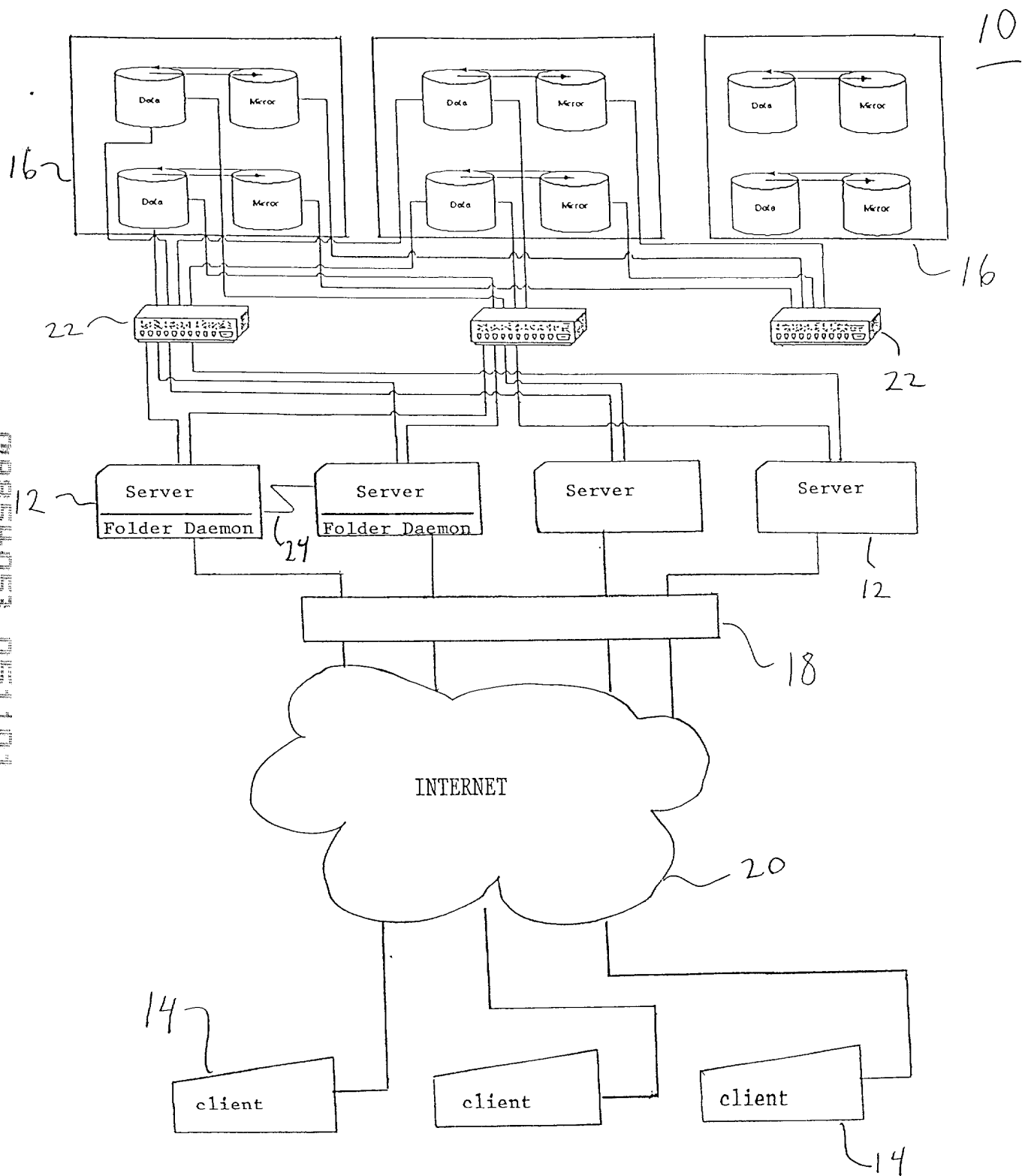


FIG. 1

```

graph TD
    30[Await Command re Message Data] --> 32[Receive Command re Message Data for Username]
    32 --> 34[Hash Username to Arrive at Hash Value]
    34 --> 36[Store Hash Value in Cache Memory as Pointer to Folder for Username on SAN]
    36 --> 38{Does Command Require UID to Access Specific Message Data?}
    38 -- Yes --> 40[Store UID in Cache Memory as Pointer to Message Data Under Folder for Username on SAN]
    38 -- No --> 42[Perform Command re Username Using Hash Value and/or UID as Pointers to Folder and/or Message Data on SAN]
    40 --> 42
    42 --> 44[Return Command Status Code Showing Success or Failure]
    44 --> 30

```

FIG. 2

FIG. 3

<u>HASH VALUE</u>	<u>USERNAME</u>	<u>FOLDER</u>	<u>UID</u> for message data
H(mgalloway@foo.com) = 112	mgalloway@webbasis.com	Inbox	1 [email]
			2 [email]
			3 [email]
		Outbox	1 [email]
			2 [email]
			3 [email]
H(mdriscoll) = 274	mdriscoll	archive	5 [email]
			6 [email]
			8 [fax]
			14 [email]
			225 [voice]
H(sgarcia@xyz.com) = 436	sgarcia@edgemail.com	Messages	4 [voice]
			6 [email]
			14 [voice]
			35 [email]
		Faxes	11 [fax]
			12 [fax]

FIG. 3